G-ICT16 - GDAAC Version 0 Interoperability Test

Test Objectives:

Verify that the ECS SDPS and the EOSDIS V0 can exchange Directory, Inventory, and Guide information. Conduct browse activities and exchange pricing/accounting information and products to demonstrate interoperability. During the B.0 time-frame, there will be one-way interoperability. ECS users will be able to retrieve V0 data using the B0SOT. However, V0 users will not be able to access ECS data until ECS Release B.1. This test package contains tests to be conducted during the B.0 and B.1 time-frame. Functionality that will be tested in the Release B.1 time-frame has "Release B.1 functionality" indicated.

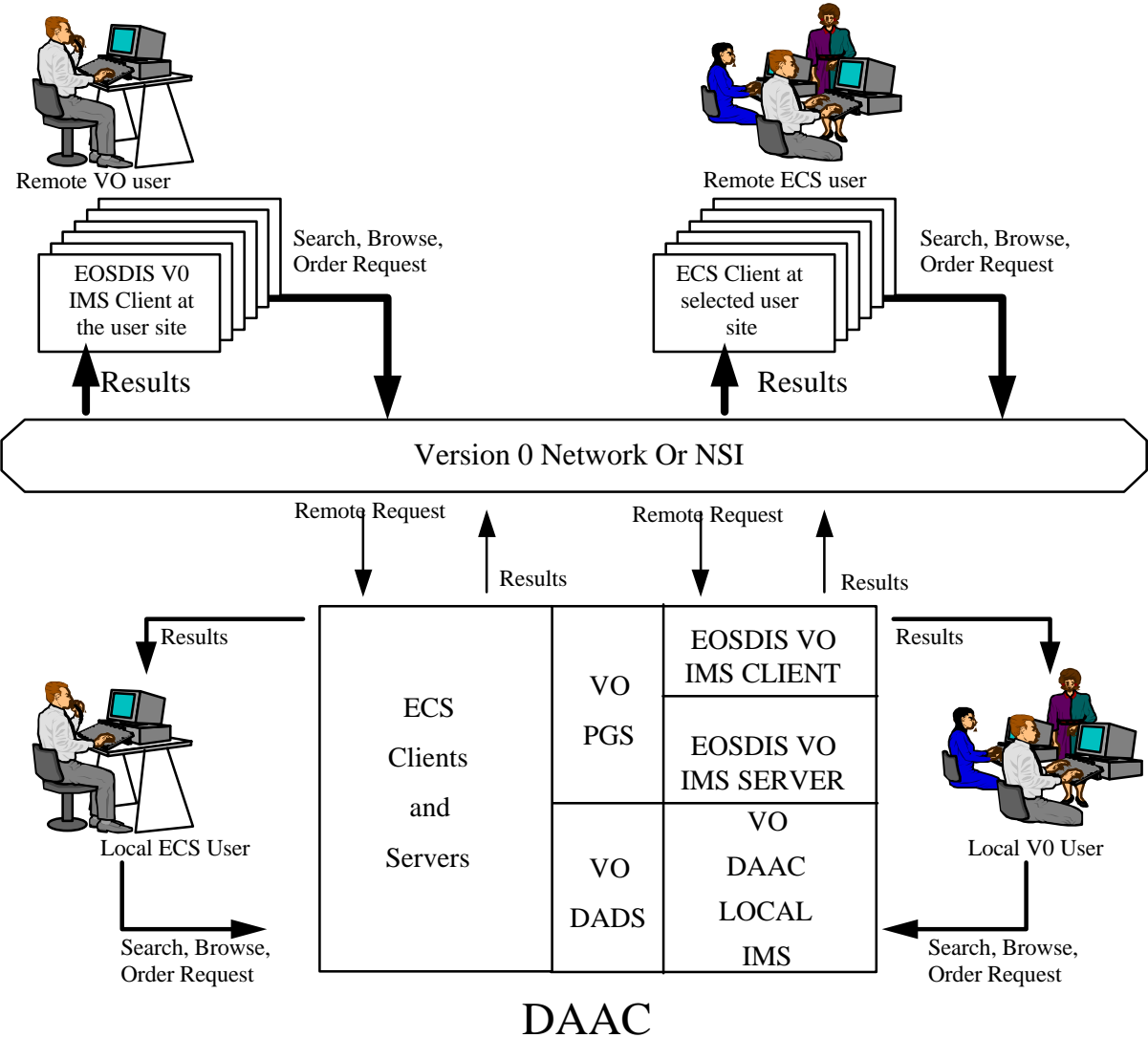The objectives of this test are to verify that the:

- ECS SDPS can access Directory information from the EOSDIS V0 IMS
- ECS SDPS can access Inventory information from the EOSDIS V0 IMS
- ECS SDPS can access Guide information from the EOSDIS V0 IMS (Release B.1 functionality)
- ECS SDPS can conduct Browse activities against the EOSDIS V0 IMS
- ECS SDPS can receive pricing/accounting information from the EOSDIS V0 IMS (Release B.1 functionality)
- ECS SDPS can order/receive data products from the EOSDIS V0 IMS
- EOSDIS V0 IMS can access Directory information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can access Inventory information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can access Guide information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can conduct Browse activities against the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can receive pricing/accounting information from the ECS SDPS (Release B.1 functionality)
- EOSDIS V0 IMS can order/receive data products from the ECS SDPS

This set of tests will confirm that scientist and non-scientist users will be able to enter specific requests for images and other data. The test will also confirm that data orders are provided via both FTP and magnetic media. The test package execution includes both the ECS client accessing the V0 server and the V0 client accessing the ECS server (Release B.1 functionality) via an Xwindows GUI on UNIX Workstations and the World Wide Web.

Requirements verified:

EOSD1695#B	EOSD1740#B	EOSD5030#B	IMS-0625#B	IMS-0915#B	V0-0010#B	V0-0060#B
V0-0070#B	V0-0080#B	V0-0090#B	V0-0100#B	V0-0110#B	V0-0120#B	V0-0150#B
V0-0160#B	V0-0170#B	V0-0180#B	V0-0190#B	V0-0200#B	V0-0230#B	V0-0240#B
V0-0350#B	V0-0370#B	V0-0380#B				

Test Configuration:

Remote VO user

EOSDIS V0 IMS Client at the user site

Search, Browse, Order Request

Results

Remote ECS user

ECS Client at selected user site

Search, Browse, Order Request

Results

Version 0 Network Or NSI

Remote Request

Results

Remote Request

Results

Results

Results

ECS Clients and Servers	VO PGS	EOSDIS VO IMS CLIENT
		EOSDIS VO IMS SERVER
	VO DADS	VO DAAC LOCAL IMS

Local ECS User

Search, Browse, Order Request

Local V0 User
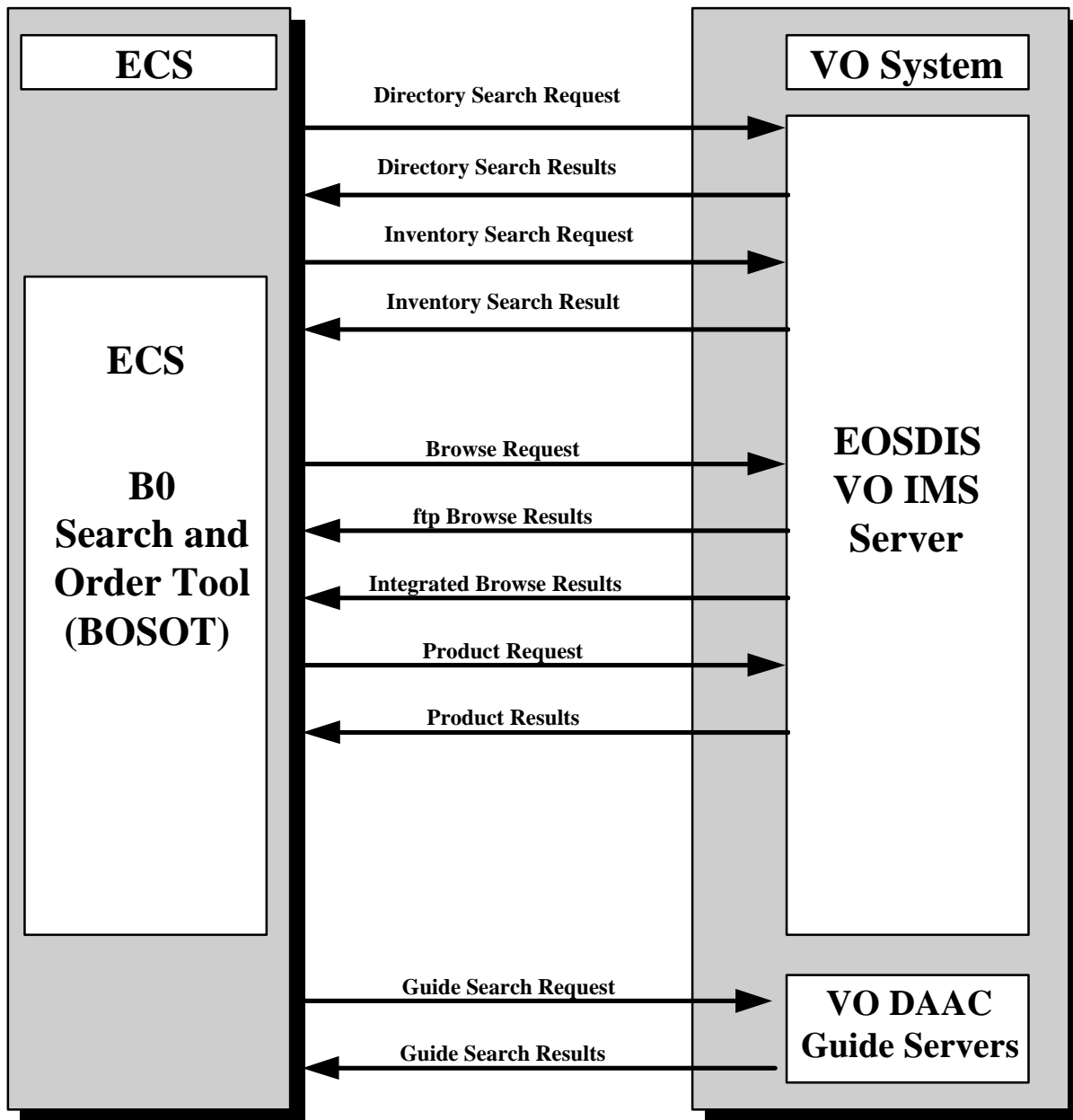
Search, Browse, Order Request

DAAC

Exhibit 16-1
Relationship Between the V0 and the ECS
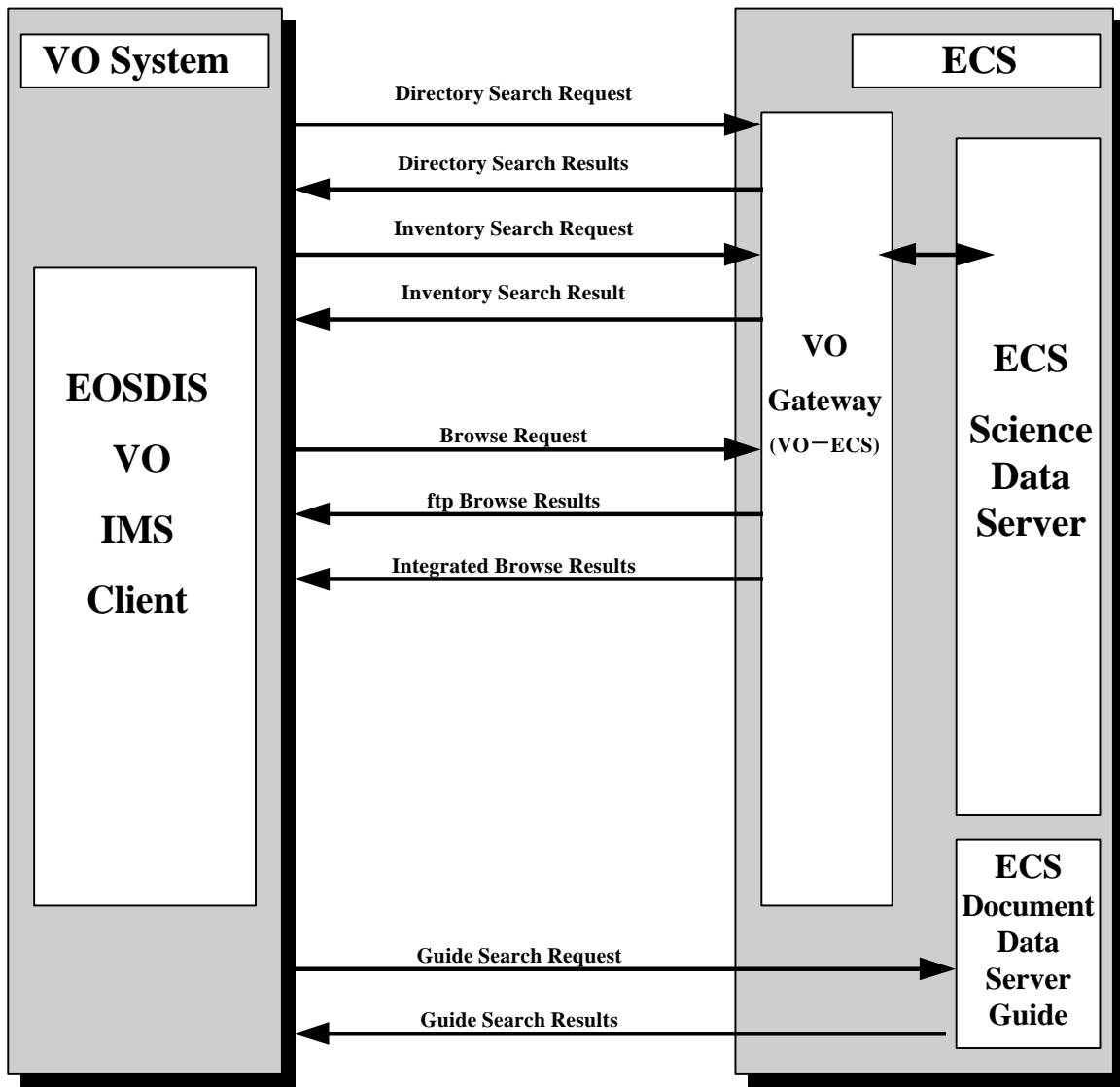
Test Case Summary:

The following table summarizes the test cases contained within the ICT9 test package. For the Release B.0 time-frame, GSFC will have a local version of the Release B.0 Search and Order Tool Client (B0SOT). Queries will be built using the DAAC's local version of the Release B.0 Client that will be used to query each of the Version 0 DAACs for Directory, Guide (Rel. B.1 functionality) and Inventory information. Integrated Browse, pricing/accounting (Rel. B.1 functionality) and product orders requests will also be conducted.

Test Case ID	Mission/ Instrument	Test Description
ICT16.1.1	See Table 16-2	GSFC DAAC testing (one-way interoperability) using the ECS Client (B0SOT) to query and receive results from the V0 Servers at each of the V0 DAACs. The test will include Directory, Inventory, and Browse searches, and product ordering.
ICT16.1.2	See Table 16-2	Release B.1 Functionality, GSFC DAAC testing (two way interoperability) using the V0 Client to query the ECS Servers at each of the ECS DAACs. The test will include Directory, Inventory, Guide and Browse searches, product pricing information exchange and product requests.

Table 16-1

ICT9 Test Summary

ECS		VO System

Directory Search Request →

← **Directory Search Results**

Inventory Search Request →

← **Inventory Search Result**

ECS

**B0
Search and
Order Tool
(BOSOT)**

**EOSDIS
VO IMS
Server**

Browse Request →

← **ftp Browse Results**

← **Integrated Browse Results**

Product Request →

← **Product Results**

Guide Search Request →

← **Guide Search Results**

**VO DAAC
Guide Servers**

**EXHIBIT 16-2
ECS as client; V0 as server**

VO System

ECS

Directory Search Request →

Directory Search Results ←

Inventory Search Request →

Inventory Search Result ←

EOSDIS VO IMS Client

VO Gateway (VO−ECS)

ECS Science Data Server

Browse Request →

ftp Browse Results ←

Integrated Browse Results ←

ECS Document Data Server Guide

Guide Search Request →

Guide Search Results ←

EXHIBIT 16-3
V0 as client; ECS as server

Participants and Support Requirements:

A. Participating Organizations:

      M&O Support at GSFC DAAC

B. Communications:

      Voice: phone lines to systems personnel
      Data: EBnet WAN Routers and associated hardware
      NSI for General Users
      IP Addresses: Release B.0 IMS; XWindow GUI's, PC's

C. Equipment and Software:

      Software: ECS Release B.0 Client Software (B0SOT/JEST) configured on each workstation
                   Desktop PC's, WWW Browsers, FTP Software
      Hardware: UNIX Workstation, XWindow GUI's, PC

D. Test Tools:

      TMDB: The Test Management Data Base tool will be used to keep track of all test cases
                   and procedures while mapping the requirements as they are utilized.

      B0SOT: B0 Search and Order Tool used to select and order products

      JEST: JAVA Earth Science Tool used to select and order products

E. Prerequisites:
ECS Release B.0 Client delivered to and accessible at the B.0 DAACs.

Note: If using a remote downloaded version of the IMS Client be sure that the Dependent Valids listing is updated.

F. Test Data:

The following test data sets have been selected for ICT9. For Release B.0 testing, only Version 0 datasets will be required, since two-way interoperability will not be available in Release B.0. To verify that the Release B.0 Client can access data at the V0 DAAC located at GSFC, queries will be submitted to the V0 DAAC from the B.0 Client. Specific test data sets to be used for Release B.1 testing will be finalized prior to Release B.1 test execution.

Data Source/Physical Location	Missions	Test Description	Test Station	Test Case ID
GSFC	NOAA-7	Directory/Inventory/ Browse/Product Request	Either by Telnet or local access at: EDC, GSFC, LaRC, NSIDC	All

Table 16-2
Test data for Release B.0

Test Case Descriptions:

16.1.1 Directory, Inventory, Browse and Product Orders at the GSFC DAAC

GSFC DAAC   (ECS as the Client, V0 as the Server)

This test case is to verify that the ECS Client located at the GSFC DAAC can perform Directory and Inventory searches, conduct browse activities and order/receive V0 data products (via FTP or electronic media).

Initial queries using the V0 Client to query for predetermined datasets (reference Table 16-2, TBS) at the GSFC V0 DAAC will be performed, and the results logged. Then the ECS Client at the GSFC DAAC, will be used to query for the same datasets to determine that the ECS Client receives the same results as the V0 Client. Data products will be ordered on all available media, to verify readability.

For testing in the B.1 time-frame, this test will be executed, and will include Guide search /results, as well as pricing and accounting information exchange.

Requirements verified:

EOSD1695#B   IMS-0625#B   V0-0010#B V0-0060#B V0-0070#B V0-0080#B V0-0090#B
V0-0100#B   V0-0110#B   V0-0120#B V0-0240#B V0-0350#B

Test Procedures:

Test Setup:

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
1.001	GSFC DAAC	Ensure the V0 System is up and ready for access.			
1.002	GSFC DAAC	Verify the test data is available, review and record data sets available.			
1.003	GSFC DAAC	Verify the V0 Client is available for access on the			

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
		PC or Workstation.			
1.004	GSFC DAAC	Record system and software information. IP address of PC or WS, environment setup, known problems and other relevant information including date and time of test.			

Test Execution:

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
2.001	GSFC DAAC	Log onto the PC or WS located at the DAAC, or via Telnet.			
2.002	GSFC DAAC	Input command to initialize the V0 IMS.	EOSDIS V0 IMS initializing.		
2.003	GSFC DAAC	Select OK button.	Welcome Screen.		
2.004	GSFC DAAC	Select Search Screen button.	Search screen appears.		
2.005	GSFC DAAC	Select the Directory radio button.	The radio button will appear depressed. The screen will change accordingly informing you of special restrictions and options.		
2.006	GSFC DAAC	Select input criteria indicated in Table 9-2 (TBS) for GSFC, from the list of options presented to you.		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for datasets from all V0 DAACs.	
2.007	GSFC DAAC	Select Save Search button to save the selected criteria.		Select name like GSFC9.1.1 for tracking purposes.	
2.008	GSFC DAAC	Select Execute Search button from the bottom of the screen.	Communications Status screen appears.		
2.009	GSFC DAAC	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted.			
2.010	GSFC DAAC	If the "Comments" button is highlighted Select it and observe the results.	Returns a Comments screen.		
2.011	GSFC DAAC	When the "Completed Status" column is green under the column labeled View, select the data button.	"Directory Results Screen" is displayed.		
2.012	GSFC DAAC	After verifying that the information matches the	Highlights the dataset selected.		

		criteria selected, select one of the datasets (reference Table 9-2, TBS) by clicking on the "count" button.			
2.013	GSFC DAAC	Click on Detail Directory button	Provides Detailed directory information		
2.014	GSFC DAAC	Observe the following information: a) Brief Description, b) Attributes, c) Data Center, d) Personnel, e) Reference	All information should correspond to input selected		
2.015	GSFC DAAC	Under the "Go To" menu, select "Current Data Set Information	Directory Results Screen Appears		
2.016	GSFC DAAC	Select the Data set and under the "Go To" menu select Inventory, Selected data set	Prompt: Do you wish to confirm search parameters?		
2.017	GSFC DAAC	At the prompt, click yes	Inventory search screen is displayed.		
2.018	GSFC DAAC	Select the "Geographic Area" button		Select area specified in Table 5-2 (TBS)	
2.019	GSFC DAAC	Select the "Select From the Map"	Geographic selection screen appears		
2.020	GSFC DAAC	Select the "Search Screen"	Returns to "Search Screen"		
2.021	GSFC DAAC	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears		
2.022	GSFC DAAC	When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed		
2.023	GSFC DAAC	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned		
2.024	GSFC DAAC	Select the order button	Returns the Order Screen		
2.025	GSFC DAAC	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness	
2.026	GSFC DAAC	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.		
2.027	GSFC DAAC	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order		
2.028	GSFC DAAC	Log ID number for future reference			
2.029	GSFC DAAC	Repeat steps 2.004 through 2.028			
2.030	GSFC	Select the "Close" buttons on	As the "Close" buttons	Log off the V0 Client	

	DAAC	each screen	are selected the Client backs out screen by screen until finished		
2.031	GSFC DAAC	Log on to the PC or WS		Log on to the ECS Client (B0SOT)	
2.032	GSFC DAAC	Type in the command to access the B0SOT.	A screen indicating access to the tool is displayed.	IMS GUI initialized	
2.033	GSFC DAAC	Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available	
2.034	GSFC DAAC	Click on User Profile and enter information: Save when information is complete.	This information is stored and referenced on subsequent logins.		
2.035	GSFC DAAC	Click on "Directory" for type of search desired.	Directory search screen appears		
2.036	GSFC DAAC	Choose Parameters information indicated in Table 5-2 (TBS) for each DAAC	Information selected is displayed on the screen.		
2.037	GSFC DAAC	Click on the "Save Search" button to save the selected parameters.	This search may be re-used later for regression purposes	Choose a save set name to identify the Test Case ID number (e.g., SFQ5.2.1B0)	
2.038	GSFC DAAC	Click on "Execute Search" button	The directory search window results appear		
2.039	GSFC DAAC	View the "Communications Status" screen for status of the directory search in progress	Data Transmission status is indicated.		
2.040	GSFC DAAC	Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully	The transaction is complete and data sets are available for viewing and transfer		
2.041	GSFC DAAC	If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.	Additional information is displayed about the data transaction.		
2.042	GSFC DAAC	Click on the "View Data" button to view the data sets available.	Several data sets and ID information are indicated on the directory results screen		
2.043	GSFC DAAC	Verify that the data set information matches the parameter selections from the search screen	Data sets are expected to match the input parameters.		
2.044	GSFC DAAC	Click on the "Count" button to select a data set.	The data set chosen is highlighted.		
2.045	GSFC	Click on "Detailed	Detailed directory		

	DAAC	Directory" button	information is displayed.		
2.046	GSFC DAAC	Select each option and verify the information is based on the parameter information selected.	Detailed information is provided on the screen as each option is chosen.		
2.047	GSFC DAAC	Verify the accuracy of the following information: a) Brief Description, b) Attribute, c) Data Center, d) Personnel, e) References	All information should correspond to the criteria selected.		
2.048	GSFC DAAC	Under the "Go To" menu select the Current Data Set Information option	Directory Results Screen appears.		
2.049	GSFC DAAC	Under the "Go To" menu select "Inventory" on selected data set	A Prompt appears " Do you wish to confirm search parameters?		
2.050	GSFC DAAC	Select yes "To confirm search parameters".	Inventory Search screen appears.		
2.051	GSFC DAAC	Choose 1) Campaign Project 2) Platform/Source 3) Instrument/Sensor 4) Parameter 5) All processing levels 6) Data set and Data Center Information indicated in Table 5-2 (TBS)	Information selected is displayed on the screen.		
2.052	GSFC DAAC	Select the Geographic Area coverage options 1) Select from Map	A map appears to select Latitude and Longitude parameters	Select each option for separate searches	
2.053	GSFC DAAC	Select the 2) Rectangular Option	Choose S or N Latitude and E or W Longitude		
2.054	GSFC DAAC	Select the 3) Four Corners Option	A screen appears with Four Corners and Latitude and Longitude is selected.		
2.055	GSFC DAAC	Select the 4) Point and Range Option	A screen appears to select the Center Points for Longitude and Latitude		
2.056	GSFC DAAC	Select the 5) Global Granules Only Option			
2.057	GSFC DAAC	Select the 6) Global Search Option	A map appears to select the Northernmost, Southernmost, Easternmost and Westernmost Area		
2.058	GSFC DAAC	Select "Both" for Day and Night Coverage			
2.059	GSFC DAAC	Select the number of Granules		The default is 100. Use 100 for the initial search and change for subsequent searches.	
2.060	GSFC DAAC	Choose the Continuous Time Range Coverage		Select the Annually Repeating Time Period for subsequent searches and alternate.	

2.061	GSFC DAAC	Click on the "Save Search" button to save the parameters	The search information is saved.		
2.062	GSFC DAAC	Click on the "Execute Search" button	Communications Status screen appears indicating status and number of granules found.		
2.063	GSFC DAAC	In the "View" column click on "Data"	Inventory Results screen is displayed		
2.064	GSFC DAAC	Select Data set indicated in Table 5-2 (TBS) by clicking on the "Count" button			
2.065	GSFC DAAC	Under the "Go To" menu, select Browse	Browse Results Screen is displayed		
2.066	GSFC DAAC	Verify browse image size		Compare to data from V0 query results	
2.067	GSFC DAAC	Click on View Image	Browse Image is displayed		
2.068	GSFC DAAC	Click the "Mark for Order" radio button			
2.069	GSFC DAAC	Click the "Close" button			
2.070	GSFC DAAC	Verify the Inventory Results screen indicates the product has been selected for order	Y is indicated in the column O next to the dataset desired		
2.071	GSFC DAAC	Click on the "Order Data" button	Order Data screen appears		
2.072	GSFC DAAC	Click on Package ID, select package options: 1) Processing Option, 2) Media Type, 3) Media Format	Package Options selection screen appears		
2.073	GSFC DAAC	Click on OK	Order Data Screen appears		
2.074	GSFC DAAC	Click on Submit Order	Order Data Communication Status appears indicating transmission of request.		
2.075	GSFC DAAC	After Order request is transmitted successfully, Select "View Contact Information"	Information is displayed pertaining to the order (e.g., Data Center, ID number, phone numbers, etc.)		
2.076	GSFC DAAC	Repeat steps 2.033 through 2.075 until all queries listed in Table 5-2 (TBS) have been completed.			
2.077	GSFC DAAC	Select Close on all screens	Client "backs out"		

Test Termination:

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
3.001	GSFC DAAC	Compare all data sets with the ones expected. Verify the	The data sets are expected to match the		

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
		amount of data, time coverage and benchmark information available	criteria and the benchmark data sets.		
3.002	GSFC DAAC	Indicate any discrepancies			
3.003	GSFC DAAC	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.		
3.004	GSFC DAAC	Verify all sessions have been terminated. Retrieve printouts for future reference and further analysis.			

16.2.2 Directory, Inventory, Browse and Product Orders at the GSFC DAAC (B.1)

GSFC DAAC (V0 as the Client, ECS as the Server)

Accessing ECS from the V0 Client is a Release B.1 capability.

This test case is to verify two-way interoperability. Using the V0 Client located at the GSFC DAAC to query the ECS servers for Directory, Guide and Inventory searches, conduct browse activities and order ECS data products archived at the ECS DAACs. The test will also verify that pricing information (ECS B.1 capability) is received.

Initial queries using the ECS Client to query for predetermined datasets (reference Table 16-2, TBS) at each of the ECS DAACs will be performed, and the results logged. Then the V0 Client will be used to query for the same datasets at the ECS DAACs , to determine that the V0 Client receives the same results as the ECS Client. Data products will be ordered on all available media, to verify readability.

Requirements verified:

EOSD1695#B IMS-0625#B IMS-0915#B V0-0010#B V0-0150#B V0-0160#B
V0-0170#B   V0-0180#B   V0-0190#B   V0-0200#B V0-0230#B V0-0240#B
V0-0350#B   V0-0380#B   EOSD1740#B

Test Procedures:

Test Setup:

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
1.001	GSFC DAAC	Ensure the ECS System is up and ready for access			
1.002	GSFC DAAC	Verify the test data is available, review and record data sets available			
1.003	GSFC DAAC	Verify the ECS Client is available for access on the PC or Workstation			
1.004	GSFC	Record system and software			

	DAAC	information. IP address of PC or WS, environment setup, known problems and other relevant information including date and time of test.			

Test Execution:

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
2.001	GSFC DAAC	Log on to the PC or WS		Log on to the ECS Client (B0SOT)	
2.002	GSFC DAAC	Type in the command to access the B0SOT.	A screen indicating access to the tool is displayed.	IMS GUI initialized	
2.003	GSFC DAAC	Select the Advertising icon on the workstation desktop	Advertising information will be displayed.	Verify data selected from the V0 queries is available	
2.004	GSFC DAAC	Click on User Profile and enter information: Save when information is complete.	This information is stored and referenced on subsequent logins.		
2.005	GSFC DAAC	Click on "Directory" for type of search desired.	Directory search screen appears		
2.006	GSFC DAAC	Choose Parameters information indicated in Table 5-2 (TBS) for each DAAC	Information selected is displayed on the screen.		
2.007	GSFC DAAC	Click on the "Save Search" button to save the selected parameters.	This search may be re-used later for regression purposes	Choose a save set name to identify the Test Case ID number (e.g., SFQ5.2.2B0)	
2.008	GSFC DAAC	Click on "Execute Search" button	The directory search window results appear		
2.009	GSFC DAAC	View the "Communications Status" screen for status of the directory search in progress	Data Transmission status is indicated.		
2.010	GSFC DAAC	Verify that each button is highlighted, indicating a successful completion: Open Connection, Sending Message, Receiving Results, Completed Successfully	The transaction is complete and data sets are available for viewing and transfer		
2.011	GSFC DAAC	If the "Comments" button is highlighted, this may indicate that data is continuing to be accessed. Click on "Comments" button to read additional information concerning data requested.	Additional information is displayed about the data transaction.		
2.012	GSFC DAAC	Click on the "View Data" button to view the data sets available.	Several data sets and ID information are indicated on the		

			directory results screen		
2.013	GSFC DAAC	Verify that the data set information matches the parameter selections from the search screen	Data sets are expected to match the input parameters.		
2.014	GSFC DAAC	Click on the "Count" button to select a data set.	The data set chosen is highlighted.		
2.015	GSFC DAAC	Click on "Detailed Directory" button	Detailed directory information is displayed.		
2.016	GSFC DAAC	Select each option and verify the information is based on the parameter information selected.	Detailed information is provided on the screen as each option is chosen.		
2.017	GSFC DAAC	Verify the accuracy of the following information: a) Brief Description, b) Attribute, c) Data Center, d) Personnel, e) References	All information should correspond to the criteria selected.		
2.018	GSFC DAAC	Under the "Go To" menu select the Current Data Set Information option	Directory Results Screen appears.		
2.019	GSFC DAAC	Under the "Go To" menu select "Inventory" on selected data set	A Prompt appears " Do you wish to confirm search parameters?		
2.020	GSFC DAAC	Select yes "To confirm search parameters".	Inventory Search screen appears.		
2.021	GSFC DAAC	Choose 1) Campaign Project 2) Platform/Source 3) Instrument/Sensor 4) Parameter 5) All processing levels 6) Data set and Data Center Information indicated in Table 5-2 (TBS)	Information selected is displayed on the screen.		
2.022	GSFC DAAC	Select the Geographic Area coverage options 1) Select from Map	A map appears to select Latitude and Longitude parameters	Select each option for separate searches	
2.023	GSFC DAAC	Select the 2) Rectangular Option	Choose S or N Latitude and E or W Longitude		
2.024	GSFC DAAC	Select the 3) Four Corners Option	A screen appears with Four Corners and Latitude and Longitude is selected.		
2.025	GSFC DAAC	Select the 4) Point and Range Option	A screen appears to select the Center Points for Longitude and Latitude		
2.026	GSFC DAAC	Select the 5) Global Granules Only Option			
2.027	GSFC DAAC	Select the 6) Global Search Option	A map appears to select the Northernmost, Southernmost, Easternmost and Westernmost Area		
2.028	GSFC DAAC	Select "Both" for Day and Night Coverage			

2.029	GSFC DAAC	Select the number of Granules		The default is 100. Use 100 for the initial search and change for subsequent searches.	
2.030	GSFC DAAC	Choose the Continuous Time Range Coverage		Select the Annually Repeating Time Period for subsequent searches and alternate.	
2.031	GSFC DAAC	Click on the "Save Search" button to save the parameters	The search information is saved.		
2.032	GSFC DAAC	Click on the "Execute Search" button	Communications Status screen appears indicating status and number of granules found.		
2.033	GSFC DAAC	In the "View" column click on "Data"	Inventory Results screen is displayed		
2.034	GSFC DAAC	Select Data set indicated in Table 5-2 (TBS) by clicking on the "Count" button			
2.035	GSFC DAAC	Under the "Go To" menu, select Browse	Browse Results Screen is displayed		
2.036	GSFC DAAC	Verify browse image size		Compare to data from V0 query results	
2.037	GSFC DAAC	Click on View Image	Browse Image is displayed		
2.038	GSFC DAAC	Click the "Mark for Order" radio button			
2.039	GSFC DAAC	Click the "Close" button			
2.040	GSFC DAAC	Verify the Inventory Results screen indicates the product has been selected for order	Y is indicated in the column O next to the dataset desired		
2.041	GSFC DAAC	Click on the "Order Data" button	Order Data screen appears		
2.042	GSFC DAAC	Click on Package ID, select package options: 1) Processing Option, 2) Media Type, 3) Media Format	Package Options selection screen appears		
2.043	GSFC DAAC	Click on OK	Order Data Screen appears		
2.044	GSFC DAAC	Click on Submit Order	Order Data Communication Status appears indicating transmission of request.		
2.045	GSFC DAAC	After Order request is transmitted successfully, Select "View Contact Information"	Information is displayed pertaining to the order (e.g., Data Center, ID number, phone numbers, etc.)		
2.046	GSFC DAAC	Repeat steps 2.003 through 2.045 until all queries listed in Table 5-2 (TBS) have been completed.			
2.047	GSFC DAAC	Select Close on all screens	Client "backs out"		

2.048	GSFC DAAC	Log on to the PC or WS located at the DAAC, or via Telnet			
2.049	GSFC DAAC	Input command to initialize the V0 IMS	EOSDIS V0 IMS initializing		
2.050	GSFC DAAC	Select OK button	Welcome Screen		
2.051	GSFC DAAC	Select Search Screen button	Search screen appears		
2.052	GSFC DAAC	Select the Directory radio button	The radio button will appear depressed. The screen will change accordingly informing you of special restrictions and options.		
2.053	GSFC DAAC	Select input criteria indicated in Table 5-2 (TBS) for each DAAC, from the list of options presented to you		To verify the ECS Client can query all the V0 Servers, this test will be ran to query for datasets from all V0 DAACs	
2.054	GSFC DAAC	Select Save Search button to save the selected criteria		Select name like GSFC5.2.2 for tracking purposes	
2.055	GSFC DAAC	Select Execute Search button from the bottom of the screen	Communications Status screen appears		
2.056	GSFC DAAC	Observe the columns representing the search progress. Note if the "Receiving Results" column is highlighted. Note if transaction is aborted			
2.057	GSFC DAAC	If the "Comments" button is highlighted Select it and observe the results	Returns a Comments screen		
2.058	GSFC DAAC	When the "Completed Status" column is green under the column labeled View, select the data button	"Directory Results Screen" is displayed		
2.059	GSFC DAAC	After verifying that the information matches the criteria selected, select one of the datasets (reference Table 5-2, TBS) by clicking on the "count" button.	Highlights the dataset selected		
2.060	GSFC DAAC	Click on Detail Directory button	Provides Detailed directory information		
2.061	GSFC DAAC	Observe the following information: a) Brief Description, b) Attributes, c) Data Center, d) Personnel, e) Reference	All information should correspond to input selected		
2.062	GSFC DAAC	Under the "Go To" menu, select "Current Data Set	Directory Results Screen Appears		

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
		Information			
2.063	GSFC DAAC	Select the Data set and under the "Go To" menu select Inventory, Selected data set	Prompt: Do you wish to confirm search parameters?		
2.064	GSFC DAAC	At the prompt, click yes	Inventory search screen is displayed.		
2.065	GSFC DAAC	Select the "Geographic Area" button		Select area specified in Table 5-2 (TBS)	
2.066	GSFC DAAC	Select the "Select From the Map"	Geographic selection screen appears		
2.067	GSFC DAAC	Select the "Search Screen"	Returns to "Search Screen"		
2.068	GSFC DAAC	Select "Execute Search" button from the bottom of the screen	"Communications Status" screen appears		
2.069	GSFC DAAC	When the "Completed Status" column is green, select the data button	"Inventory Results" screen is displayed		
2.070	GSFC DAAC	Check the "Browse Available" (BA) column for the "Integrated Browse" (FB) capability and select it.	"FTP Browse" screen returned		
2.071	GSFC DAAC	Select the order button	Returns the Order Screen		
2.072	GSFC DAAC	Select the data set and click Package options	Returns package available	Data will be ordered on all available types of media to verify correctness	
2.073	GSFC DAAC	Fill in the appropriate information for ordering media. Click submit order.	Communication Status indicating the transmission of the order is displayed.		
2.074	GSFC DAAC	Communications Status screen indicates order was completed successfully. Click on "Contact Information" button	Displays information pertaining to the Data Center and the ID for tracking the order		
2.075	GSFC DAAC	Log ID number for future reference			
2.076	GSFC DAAC	Repeat steps 2.051 through 2.075			
2.077	GSFC DAAC	Select the "Close" buttons on each screen	As the "Close" buttons are selected the Client backs out screen by screen until finished	Log off the V0 Client	

Test Termination:

Step ID	Test Station	Actions	Expected Results	Comments	Last Date Modified
3.001	GSFC DAAC	Compare all data sets with the ones expected. Verify the amount of data, time coverage and benchmark information available	The data sets are expected to match the criteria and the benchmark data sets.		

3.002	GSFC DAAC	Indicate any discrepancies			
3.003	GSFC DAAC	Verify that all searches have been saved before exiting the system. Log off the system.	The searches are expected to be saved for future test cases.		
3.004	GSFC DAAC	Verify all sessions have been terminated. Retrieve printouts for future reference and further analysis.			